

WHAT IS CLAIMED IS:

1. A bus bar structure plate in which a plurality of bus bars are arranged on one plain in an arrangement forming an electric power circuit and the bus bars are connected to each other to form an integrated whole shape,

wherein the bus bar structure plate has the integrated whole shape in which a plurality of types of electric power circuits are formed by selecting at least one position at which the bus bars are separated from each other.

10

2. The bus bar structure plate according to claim 1, wherein a mounting position for mounting a plurality of switching elements intervening in the electric power circuit is set at predetermined positions, and the integrated whole shape is set such that a circuit in which the plurality of switching elements to be mounted in the mounting position are arranged in parallel and a circuit in which a plurality of switching elements to be mounted in the mounting portion are arranged in series are selectively formed by selecting at least one position at which the bus bars are separated from each other.

20

3. The bus bar structure plate according to claim 1, wherein a substrate adhesion region to which a control circuit board for controlling operation of the electric power circuit formed of the bus bars is adhered is set at a predetermined position,

25

and the substrate adhesion region has such a shape that connecting portion of the bus bars are connected is positioned outside the substrate adhesion region.

5 4. A method for forming an electric power circuit, comprising the steps of:

 preparing the bus bar structure according to claim 1; and

 selecting a connecting portion of the bus bars requiring to separate the connecting portion in order to form a desired
10 electric power circuit.

 5. A method for producing a circuit structure body, comprising the steps of:

 preparing the bus bar structure plate according to claim
15 3;

 adhering the control circuit board formed of the bus bars included in the bus bar structure to the substrate adhesion region of the bus bar structure plate; and

 selecting a connecting portion of the bus bars requiring
20 to separate the connecting portion in order to form a desired electric power circuit after adhering the control circuit board;
 separating the connecting portion.

25 6. The method for producing a circuit structure body

according to claim 5, further comprising step of:

stamping the bus bar structure plate out of a single metal plate in the step of preparing the bus bar structure.

5 7. The method for producing a circuit structure body according to claim 5, further comprising the step of:

mounting a switching element to both of predetermined bus bar of the bus bar structure and the control circuit board after adhering the control circuit board

10